

AMENDMENT
Inventor: John M. Tremaine, Sr.

PATENT
396-103

LISTING OF CLAIMS

1. (cancelled)
2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (cancelled)
6. (cancelled)
7. (cancelled)
8. (cancelled)
9. (cancelled)
10. (cancelled)
11. (cancelled)
12. (cancelled)
13. (cancelled)

14. (cancelled)

15. (cancelled)

16. (new) A transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) a transformer;

(b) said transformer being arranged such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) said transformer having a neutral connected to a primary thereof;

(d) a first tap connected to said primary;

(e) a second tap connected to said primary intermediate said neutral and said first tap;

(f) when said dimmer switch is connected to said primary, it is connected between a line and said second tap; and

(g) when said on/off switch is connected to said primary, it is connected between said line and said first tap.

17. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is a toroidal transformer.

18. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is a laminated transformer.

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19. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is an electronic transformer.

20. (new) A transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) a transformer;

(b) said transformer being arranged such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) said transformer having a primary with a neutral connected to said primary and with a line connected to said primary; and

(d) said transformer having a secondary with a common connected to said load and a third tap connected to said secondary;

(e) a fourth tap connected to said secondary intermediate said common and said third tap;

(f) when said dimmer switch is connected between said line and said primary, said third tap is connected to said load; and

(g) when said on/off switch is connected between said line and said primary, said fourth tap is connected to said load.

21. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 20, wherein: said transformer is a toroidal transformer.

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22. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is a laminated transformer.

23. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is an electronic transformer.

24. (new) A method of using a transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) providing a transformer;

(b) arranging said transformer such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) providing said transformer having a neutral connected to a primary thereof;

(d) providing a first tap connected to said primary;

(e) providing a second tap connected to said primary intermediate said neutral and said first tap;

(f) when said dimmer switch is connected to said primary, it is connected between a line and said second tap; and

(g) when said on/off switch is connected to said primary, it is connected between said line and said first tap.

25. (new) A method of using a transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) providing a transformer;

(b) arranging said transformer such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) providing said transformer having a primary with a neutral connected to said primary and with a line connected to said primary; and

(d) providing said transformer having a secondary with a common connected to said load and a third tap connected to said secondary;

(e) providing a fourth tap connected to said secondary intermediate said common and said third tap;

(f) when said dimmer switch is connected between said line and said primary, said third tap is connected to said load; and

(g) when said on/off switch is connected between said line and said primary, said fourth tap is connected to said load.